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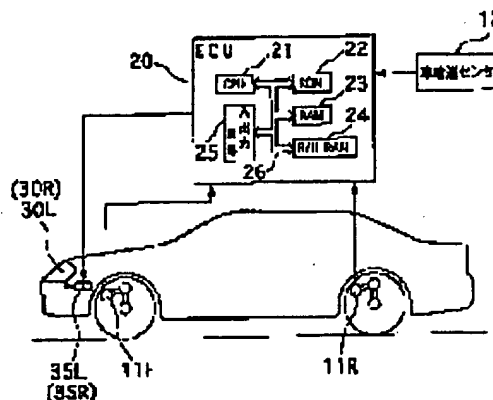
(54) AUTOMATIC ADJUSTING DEVICE OF HEAD LIGHT OPTICAL AXIS DIRECTION FOR VEHICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To correspond to a turn condition of a vehicle, so as to eliminate improper optical axis direction control of a headlight.

SOLUTION: In this device, based on a signal from height sensors 11F, 11R arranged in a front/rear wheel of a vehicle, a pitch angle in a longitudinal direction of the vehicle is calculated. From a car speed and acceleration based thereon, a running condition of the vehicle is decided for whether in what control mode it is placed of stop, acceleration, deceleration and fixed speed.

Corresponding to this control mode, the pitch angle is filter processed, an actuator drive angle (target optical axis direction adjusting angle) without giving light of glare to a car in the opposite lane is calculated, an actuator 35R, 35L are driven, an optical axis direction of a headlight 30R, 30L is adjusted. Here, when the vehicle is in turning, by making behavior unstable of a car body, for instance, by stopping optical axis control, the optical axis direction relating to the headlight 30R, 30L is more properly adjusted.



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